

**REMARKS**

In response to the Restriction Requirement dated February 16, 2006, Applicant hereby elects Group I, claims 1-9, for continued prosecution with traverse. Further, Applicant has added independent claim 13 to the claim set.

The Examiner has required restriction under 35 U.S.C. § 121 between two groups of claims: (Group I) claims 1-9, drawn to a method for measuring high-energy radiation, classified in class 376, subclass 154, and (Group II) claims 10-12, drawn to a system for measuring high-energy radiation, classified in class 205, subclass 464. The Examiner asserts that the restriction was required because the claims of groups I and II are distinct based on the following reasons: (1) the process as claimed can be practiced by another and materially different apparatus or by hand, and (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)).

Restriction may be required if two or more independent and distinct inventions are claimed in one application. However, in this case, the claim groups I and II are commonly linked by the use of electrodes and an ion chamber to measure high-energy radiation. Additionally, claim 13 has been added to the claim set as a generic claim linking the method recited of claim group I to the system recited of claim group II. A patentability search directed towards claim 13 would be able to substantively cover the embodiments of claim group I, in addition to the embodiments of claim group II. Thus, Applicant respectfully requests that the restriction requirement of claim group II, claims 10-12, be withdrawn, and each of the claims presently pending in this application be examined.

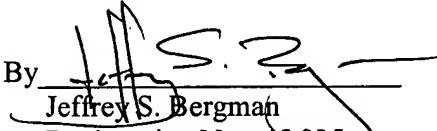
In response to the Election of Species Requirement, Applicant hereby elects the Species 2A, 3A, and 4A, corresponding to the Species defined in the Action dated February 16,

2006 without traverse. Further, Applicant hereby elects helium-3 as the gas capable of forming charged ions by the high-energy radiation as required by the Examiner, as recited in claim 1. Claims 1-9 and 13 are considered generic to all species.

Applicant believes this reply is fully responsive to all outstanding issues. If this belief is incorrect, or other issues arise, the Examiner is encouraged to contact the undersigned or his associates at the telephone number listed below. Please apply any charges not covered, or any credits, to Deposit Account 50-0591 (Reference Number 07754/046001).

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Respectfully submitted,

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